

Exhibit P-40, Budget Item Justification Sheet								Date: February 2004				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)								P-1 Item Nomenclature: TRAINING DEVICES				
Program Element: 0206211M Divisions (Marine)				Code: A	Other Related Program Elements:							
	Prior Years			FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	229.8			18.2	63.5	24.2	18.8	13.6	13.6	11.0	Cont	Cont
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	229.8			18.2	63.5	24.2	18.8	13.6	13.6	11.0	Cont	Cont
Initial Spares	10.5			0.7	0.8	0.5	0.7	0.1	0.0	0.2	Cont	Cont
Total Proc Cost	240.3			18.9	64.3	24.7	19.5	13.7	13.6	11.2	Cont	Cont
Flyaway U/C												
Wpn Sys Proc U/C												
<p>MINOR TRAINING DEVICES/SIMULATORS: These items are mostly commercial nondevelopmental training devices and other Service minor training devices depending on the current year requirements for use by Marine Corps Schools, operating forces, bases and stations.</p> <p>DISTANCE LEARNING: Distance Learning will provide effective training by using modern instructional technologies (interactive software/ courseware) and remote delivery systems (local and wide-area networks (LAN/WAN)). Funds are primarily required for integration and installation and to procure the hardware to support an expanding distance learning structure base.</p> <p>COMBAT VEHICLE APPENDED TRAINER (CVAT): CVAT will comprise a family of combat vehicle trainers that will provide appropriate training solutions for current M1A1 and Light Armored Vehicle (LAV) training deficiencies as identified in the CVAT Training Situation Analysis (TSA). In combination with existing training resources, to include academics, simulators, and live fire and maneuver exercises, CVAT will round out an overall training system that provides comprehensive gunnery, maneuver, and tactical training for the Marine Corps combat vehicle crews.</p> <p>MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES 2000): A joint interest program between the Marine Corps and Army. It is the premier Tactical Engagement Simulation System and provides a family of low power, eye safe lasers which simulates the direct fire characteristics of infantry small arms, assault, armor, anti-armor mechanized weapons system and provides the gunner with hit or miss determination. MILES 2000 is designed to be used by the Marine Air Ground Task Force (MAGTF) as a force-on-force engagement simulation training system.</p> <p>INDOOR SIMULATED MARKSMANSHIP TRAINER ENHANCED (ISMT(E)): ISMT (E) is an interactive video weapons simulator that provides enhanced marksmanship training and weapons proficiency. The system consists of modified infantry weapons that use laser to engage video and lane scenarios.</p>												

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<p>scenarios realistically replicate range firing for qualification, combat and shoot/no-shoot decision making situations. (Funding will be used for enhancements to existing systems, collision detection, intelligent enemy forces, and improved terrain database fidelity will be integrated into the system.)</p> <p>MODULAR AMPHIBIOUS EGRESS TRAINER (MAET): MAET is a modular trainer that provides underwater disorientation training for frequent flyer, but non-aircrew passengers. The trainer simulates underwater disorientation caused by rapidly sinking vehicles and replicates platforms such as the CH-46 helicopter, CH-53 helicopter, MV 22 aircraft, LAV-25 (Light Armored Vehicle), Amphibious Assault Vehicle (AAV) and Advanced Amphibious Assault Vehicle (AAAV). The trainer and associated training program will train "frequent flyer" passengers aboard these craft. The trainer serves as a portion of an overall survival training program for non-aircrew, frequent flyers that includes shallow water egress training (SWET) and Intermediate Passenger Helicopter Aircrew Breathing Device (IP/HABD) familiarization and usage training.</p> <p>COMBINED ARMS COMMAND AND CONTROL TRAINER UPGRADE SYSTEM (CACCTUS): Combined Arms Staff Trainer (CAST) upgrade is a part of the CACCTUS program. The CAST Upgrade is the modernization of the CAST trainers, to include enhancing the training experience through computer-simulated environments.</p> <p>SPECIAL EFFECT SMALL ARMS MARKING SYSTEM (SESAMS): SESAMS is a user-installed weapons modification kit that allows the individual Marine to fire, at short range, a low velocity marking ammunition (paint ball) while precluding the weapon from firing live ammunition. SESAMS provides instantaneous feedback during force-on-force close quarter battle scenarios. This immediate visual and sensory feedback to the shooter and target without firing live ball ammunition reduces risk to participants and significantly reduces the maintenance costs to shooting houses.</p> <p>COMMON RANGE INSTRUMENTATION SYSTEM (CRIS): CRIS is a fully reprogrammable scaleable Force-on-Force mobile high-fidelity Instrumentation system supporting both USMC testing and training mission areas. Current US Marine Corps Training is conducted with MILES 2000 laser tag devices providing only local hit and kill indications on the battlefield. CRIS enhances existing USMC MILES 2000 by adding GPS, a radio, and processing to enable realistic battlefield simulations of both direct and indirect fire missions. CRIS provides the USMC with a Mobile Range Operations Center and communications network to monitor and record the exercise in real-time and prepare automated After Action Reviews for the Marines.</p> <p>MARINE CORPS AIR GROUND COMBAT CENTER (MCAGCC) RANGE INSTRUMENTATION: Converges training occurring at the MCAGCC, Twenty-Nine Palms, CA with training of other forces occurring at participating Joint National Training Center (JNTC) ranges and with the standing Joint Task Force (JTF), Suffolk, VA. The Marine Corps JNTC strategy is to integrate Live, Virtual, and Constructive (L-V-C) training environments currently utilized or being developed. FY04 funds procure the needed range instrumentation and simulation to digitally capture dismounted infantry and weapon system platform operations, record the occurring command and control communications, and to translate and transfer the correlated digital data across the JNTC training infrastructure.</p>		

Exhibit P-40a, Budget Item Justification for Aggregated Items									Date: February 2004				
Appropriation / Budget Activity							P-1 Item Nomenclature:						
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)							TRAINING DEVICES						
Procurement Items	Code	UOM	Prior Years		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
AUDIO VISUAL EQUIPMENT	A	D			2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
(Moved to BLI 483700 in FY04)		Q											
C2 SYSTEMS TRAINING	A	D			0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4
		Q											
CACCTUS	A	D			0.0	3.6	5.1	5.1	3.5	4.2	4.5	Cont	Cont
		Q											
CVAT	A	D			8.8	6.0	3.2	0.0	0.0	0.0	0.0	0.0	18.0
		Q											
CRIS	A	D			0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
		Q											
DISTANCE LEARNING	A	D			5.0	7.3	4.1	4.3	4.5	4.8	4.9	Cont	Cont
		Q											
DVTE	A	D			0.0	0.0	0.0	0.0	1.0	2.5	0.0	0.0	3.5
		Q											
MAET	A	D			0.0	1.5	1.3	0.0	0.0	0.0	0.0	0.0	2.8
		Q											
ISMT-E	A	D			0.0	0.0	5.9	5.9	0.0	0.0	0.0	0.0	11.7
		Q											
JSIMS	A	D			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Q											
LIVE FIRE RANGE UPGRADES	A	D			1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
		Q											
MCAGCC RANGE INSTRUMENTATION	A	D			0.0	42.5	0.0	0.0	0.0	0.0	0.0	0.0	42.5
		Q											
MILES 2000	A	D			0.0	0.1	2.2	1.5	2.2	1.1	0.7	Cont	Cont
		Q											
MINOR TRAINING DEVICES	A	D			0.6	1.1	1.1	0.9	0.9	0.9	1.0	Cont	Cont
		Q											
PUBLIC AFFAIRS EQUIPMENT	A	D			0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
(Moved to BLI 483700 in FY04)		Q											
SESAMS	A	D			0.0	0.0	1.5	1.1	1.1	0.1	0.0	Cont	Cont
		Q											
TACTICAL REPRODUCTION (Cost of War)	A	D			0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
		Q											

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Program Element: 0206211M Divisions (Marine)				Code: A	Other Related Program Elements:							
	Prior Years			FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0			0.0	3.6	5.1	5.1	3.5	4.2	4.5	CONT	CONT
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0			0.0	3.6	5.1	5.1	3.5	4.2	4.5	CONT	CONT
Initial Spares	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Proc Cost	0.0			0.0	3.6	5.1	5.1	3.5	4.2	4.5	CONT	CONT
Flyaway U/C												
Wpn Sys Proc U/C												
COMBINED ARMS COMMAND AND CONTROL TRAINER UPGRADE SYSTEM (CACCTUS): Combined Arms Staff Trainer (CAST) upgrade is a part of the CACCTUS program. The CAST Upgrade is the modernization of the CAST trainers, to include enhancing the training experience through computer-simulated environments.												

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Exhibit P-40a,
Budget Item Justification for Aggregated Items

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Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)								P-1 Item Nomenclature: ISMT (E)				
Program Element: 0206211M Divisions (Marine)				Code: A	Other Related Program Elements:							
	Prior Years			FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0			0.0	0.0	5.9	5.9	0.0	0.0	0.0	0.0	11.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0			0.0	0.0	5.9	5.9	0.0	0.0	0.0	0.0	11.7
Initial Spares	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Proc Cost	0.0			0.0	0.0	5.9	5.9	0.0	0.0	0.0	0.0	11.7
Flyaway U/C												
Wpn Sys Proc U/C												
<p>INDOOR SIMULATED MARKSMANSHIP TRAINER ENHANCED (ISMT(E)): ISMT (E) is an interactive video weapons simulator that provides enhanced marksmanship training and weapons proficiency. The system consists of modified infantry weapons that use laser to engage video CGI, and lane scenarios. The scenarios realistically replicate range firing for qualification, combat and shoot/no-shoot decision making situations. (Funding will be used for enhancements to existing systems, collision detection, intelligent enemy forces, and improved terrain database fidelity will be integrated into the system.)</p>												

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